
Test Procedure for

**AIR CONTENT OF FRESHLY MIXED CONCRETE BY
THE PRESSURE METHOD**



TxDOT Designation: Tex-416-A

Effective Date: July 2008

1. SCOPE

- 1.1 This test method determines the air content of freshly mixed concrete by observation of the change in volume of the concrete with a change in pressure. Use with concrete and mortars made with relatively dense aggregates, for which the aggregate correction factor can be satisfactorily determined by the technique described herein. It is not applicable to concrete made with lightweight aggregates, air-cooled blast-furnace slag, recycled crushed concrete aggregates, or aggregates of high porosity. In these cases, use Tex-414-A.
- 1.2 The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.
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2. PROCEDURE

- 2.1 Refer to ASTM C 231 for the test procedure, as supplemented by the following.
- 2.1.1 Remove aggregate larger than 1-1/2 in. by hand or by wet sieve method.
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3. ARCHIVED VERSIONS

- 3.1 Archived versions are available.